

Converting Colors

$Y_{xy}(82.8180, 0.3802, 0.4110)$

Have a look what the booklet for
Yxy(82.8180, 0.3802, 0.4110)
contains.

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Color

Yxy(82.9766, 0.3801, 0.4112)

Conversions

Conversions Part 1

Format	Color
Hex	FFEB99
RGB	255, 235, 153
RGB Percent	100%, 92%, 60%
CMY	0.0000, 0.0784, 0.4000
CMYK	0.00, 0.08, 0.40, 0.00
HSL	48°, 100%, 80%
HSV	48°, 40%, 100%
XYZ	76.7009, 82.9766, 42.1139
YIQ	231.6320, 38.2420, -21.2620

Conversions

Conversions Part 2

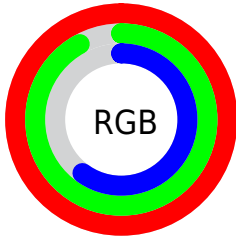
Format	Color
R_{YB}	178, 255, 153
Decimal	16771993
CIE _{Lab}	93.00, -4.34, 42.22
CIE _{LCh}	93, 42.441, 95.871
Yxy	82.9766, 0.3801, 0.4112
Android (android.graphics.Color)	4294962073 (0xFFFFE999)
YUV	231.6320, -38.7656, 20.4937
Hunter-Lab	91.0915, -9.1095, 36.3528

Details

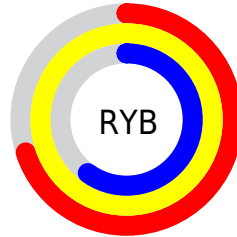
The Yxy color **82.9766, 0.3801, 0.4112** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **43.8830, 0.2420, 0.2302**, and the grayscale version is **80.6820, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.3341, 0.3406, 0.3751**, and **45.0501, 0.3938, 0.4276** is the 20% darker color. If you saturate the color by 10%, you get **79.4014, 0.3978, 0.4303**, and if you desaturate by 10%, it is **86.8169, 0.3622, 0.3907**.

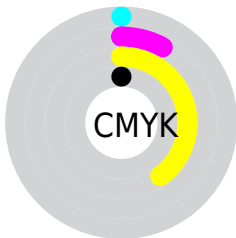
Distribution



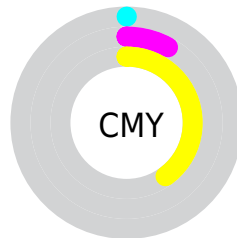
- Red (100%)
- Green (92%)
- Blue (60%)



- Red (70%)
- Yellow (100%)
- Blue (60%)



- Cyan (0%)
- Magenta (8%)
- Yellow (40%)
- Black (0%)




- Cyan (0%)
- Magenta (8%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.9766, 0.3801, 0.4112 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 82.9766, 0.3801, 0.4112 by changing the saturation by 10% instead.

 82.9766, 0.3801,
0.4112


 82.9766, 0.3801,
0.4112


504.9085, 0.3505,
0.3745

 62.1708, 0.3863,
0.4191


 137.5427, 0.3703,
0.3988

 45.1708, 0.3937,
0.4286


 172.0718, 0.3663,
0.3939

 31.5920, 0.4025,
0.4401


211.9442, 0.3628,
0.3896

 21.0500, 0.4130,
0.4542

257.5442, 0.3598,
0.3858

 13.1606, 0.4256,
0.4716

309.2562, 0.3571,
0.3825

 7.5392, 0.4401,
0.4928

367.4647, 0.3547,

 3.8015, 0.4677,

0.3795

0.5323

432.5540, 0.3525,
0.3769

■ 1.5632, 0.4609,
0.5391

■ 0.3326, 0.3872,
0.6128

■ 82.9766, 0.3801,
0.4112

■ 82.9766, 0.3801,
0.4112

■ 79.4014, 0.3978,
0.4303

■ 86.8169, 0.3622,
0.3907

■ 76.0722, 0.4147,
0.4470

■ 90.9266, 0.3448,
0.3697

■ 72.9777, 0.4299,
0.4603

■ 95.3184, 0.3282,
0.3490

■ 70.1025, 0.4426,
0.4692

100.0000, 0.3127,
0.3290

■ 67.4282, 0.4525,
0.4733

■ 64.9253, 0.4597,
0.4732

■ 64.9244, 0.4597,
0.4732

Harmonies

Analogous

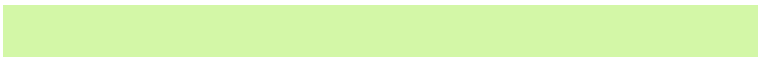
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.9766, 0.4069, 0.3839



82.9766, 0.3801, 0.4112



82.9766, 0.3362, 0.4165

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.9766, 0.3801, 0.4112



82.9766, 0.2267, 0.2996



82.9766, 0.3326, 0.2759

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



82.9766, 0.3801, 0.4112



43.8830, 0.2420, 0.2302

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.9766, 0.2836, 0.2556



82.9766, 0.3801, 0.4112



82.9766, 0.2258, 0.2660

Square

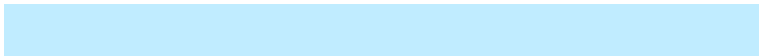
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.9766, 0.3801, 0.4112



82.9766, 0.2486, 0.3469



82.9766, 0.2457, 0.2515



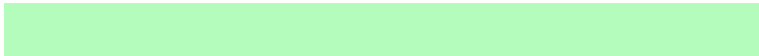
82.9766, 0.3791, 0.3081

Rectangle

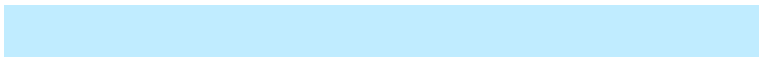
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.9766, 0.3801, 0.4112



82.9766, 0.3038, 0.4036



82.9766, 0.2457, 0.2515



82.9766, 0.3157, 0.2676

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



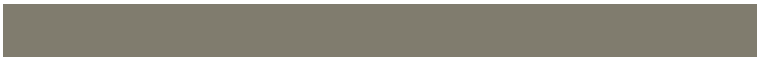
82.9789, 0.3801, 0.4112



94.4152, 0.3314, 0.3531



47.0788, 0.3937, 0.3078



20.0841, 0.3336, 0.3558



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

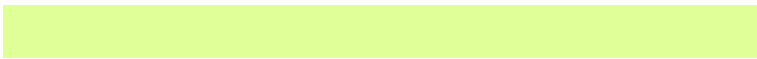
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.9789, 0.3801, 0.4112



80.0952, 0.3943, 0.4267



89.7320, 0.3518, 0.4361



20.4498, 0.3274, 0.3480



34.1385, 0.4589, 0.4738



3.4713, 0.4535, 0.4781

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



43.8830, 0.2420, 0.2302



36.1523, 0.2262, 0.2062



40.1477, 0.2598, 0.2124



17.9542, 0.2979, 0.3093



5.1269, 0.1552, 0.0787



0.6425, 0.1605, 0.0976

Previews

White Background



This preview shows how the Yxy color 82.9766, 0.3801, 0.4112 looks on a white background.

Color Contrast Check

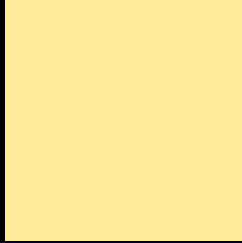
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 82.9766, 0.3801, 0.4112 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

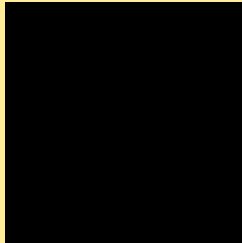
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.9766, 0.3801, 0.4112

Background



This preview shows how black text looks on a background with the Yxy color 82.9766, 0.3801, 0.4112.



This preview shows how white text looks on a background with the Yxy color 82.9766, 0.3801, 0.4112.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

82.9766, 0.3801, 0.4112

Protanopia

83.0432, 0.3788, 0.4093

Deuteranopia

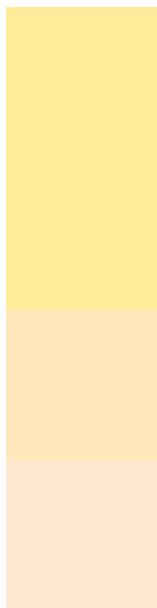
82.9659, 0.3447, 0.3522



Tritanopia

82.9788, 0.3243, 0.3182

Trichromacy



Original Color

82.9766, 0.3801, 0.4112

Protanomaly

83.0098, 0.3795, 0.4103

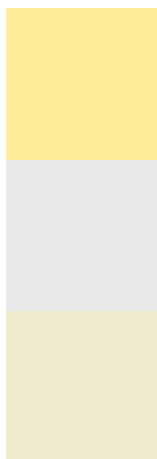
Deuteranomaly

82.6041, 0.3580, 0.3736

Tritanomaly

82.9659, 0.3447, 0.3522

Monochromacy



Original Color

82.9766, 0.3801, 0.4112

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

81.1149, 0.3369, 0.3603

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.9766, 0.3801, 0.4112 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 235, 153)` looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 153)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 235, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 153) }
```

Border

The CSS property to change the border of an element to Yxy 82.9766, 0.3801, 0.4112 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 235, 153) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(255, 235, 153) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 235, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 153);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 82.9766, 0.3801, 0.4112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 235, 153) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255,  
235, 153) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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